

104730-0012250

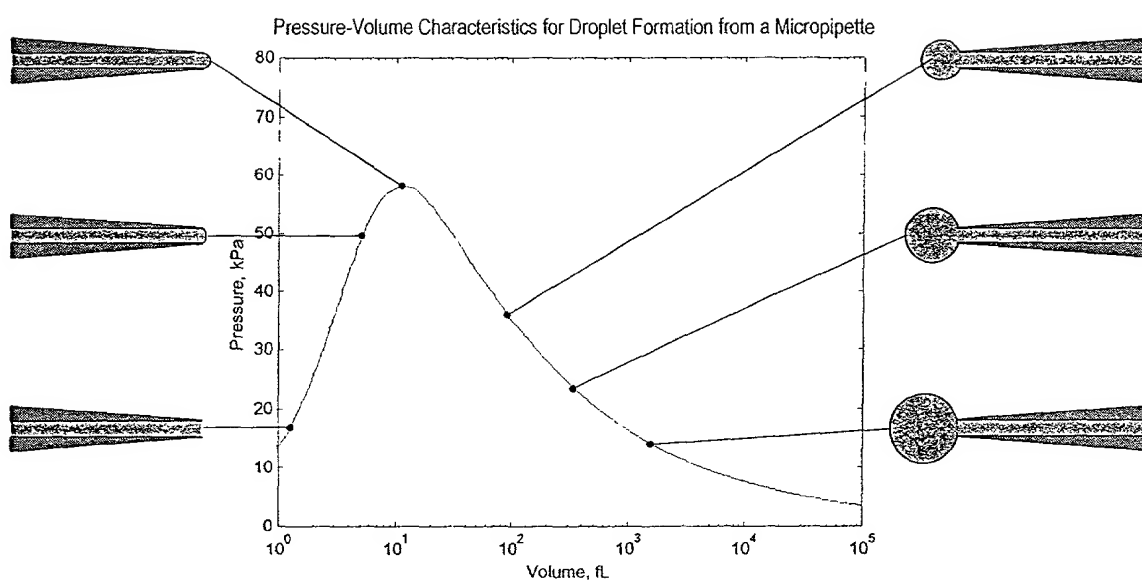


Fig. 1

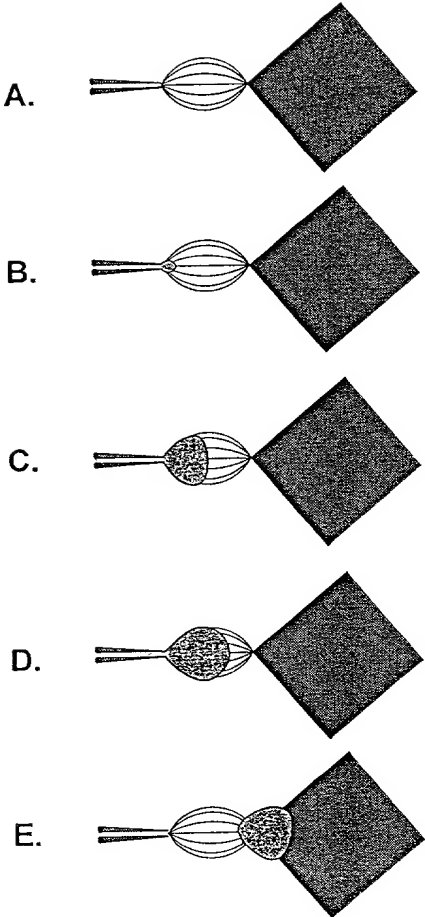
[illegible]

FIG. 2

Case	Age	Sex	Duration	Site	Histology	Immunohistochemistry	Molecular biology	Clinical course	Outcome	Follow-up	Comments
1	45	F	10 years	Rectum	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	10 years	First case of rectal adenocarcinoma with long-term survival
2	52	M	5 years	Colon	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	5 years	Second case of colon adenocarcinoma with long-term survival
3	60	F	8 years	Rectum	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	8 years	Third case of rectal adenocarcinoma with long-term survival
4	58	M	12 years	Colon	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	12 years	Fourth case of colon adenocarcinoma with long-term survival
5	65	F	15 years	Rectum	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	15 years	Fifth case of rectal adenocarcinoma with long-term survival
6	70	M	18 years	Colon	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	18 years	Sixth case of colon adenocarcinoma with long-term survival
7	75	F	20 years	Rectum	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	20 years	Seventh case of rectal adenocarcinoma with long-term survival
8	80	M	22 years	Colon	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	22 years	Eighth case of colon adenocarcinoma with long-term survival
9	85	F	25 years	Rectum	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	25 years	Ninth case of rectal adenocarcinoma with long-term survival
10	90	M	28 years	Colon	Adenocarcinoma	CK20, CDX2	None	Recurrent	Alive	28 years	Tenth case of colon adenocarcinoma with long-term survival

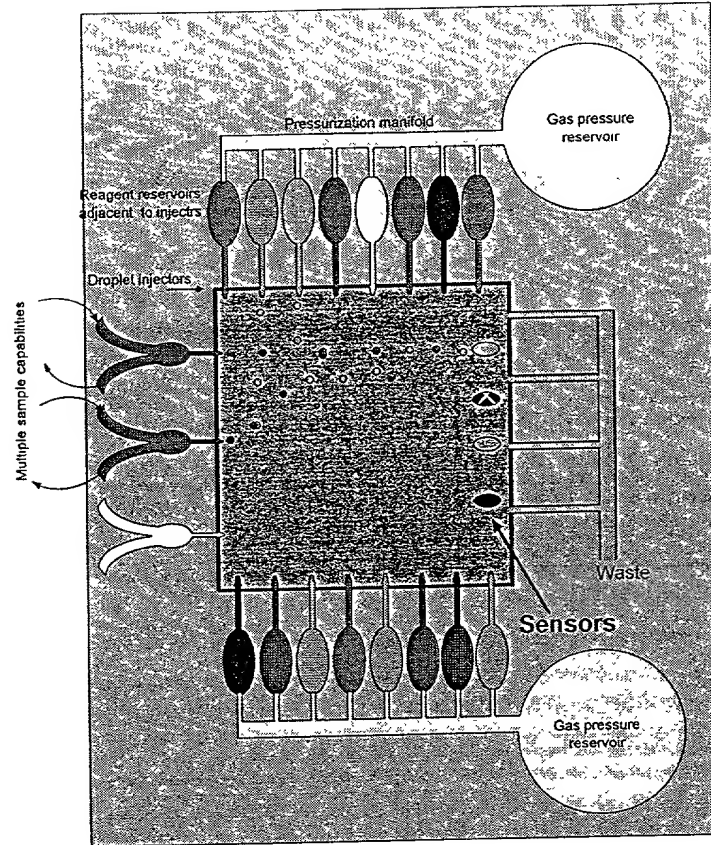


FIG. 3

The diagram illustrates the system architecture, divided into two main sections: a handheld unit and a cartridge package.

Handheld Unit:

- Color TFT Display**
- Cursor Keys**
- "Game-style" Handheld Interface and Programming Unit**

Cartridge Package:

- Batteries**
- System Controller**
- Display / Alarm**
- Reaction Sensor**
- Programmable Fluidic Processor**
- High Volt Driver**
- Dielectric Position Sensor**
- Display-type address logic**
- Samples**
- Reagent Reservoir**
- Waste**
- Gas Reservoir**
- BioFluor** (the overall cartridge assembly)

Connections:

- A **Plug-In** connection links the handheld unit to the **System Controller** in the cartridge package.
- The **System Controller** is connected to the **Display / Alarm** and the **Display-type address logic**.
- The **Display-type address logic** is connected to the **High Volt Driver** and the **Dielectric Position Sensor**.
- The **High Volt Driver** and **Dielectric Position Sensor** are connected to the **Programmable Fluidic Processor**.
- The **Programmable Fluidic Processor** is connected to the **Reaction Sensor** and the **Samples** reservoir.
- The **Reaction Sensor** is connected to the **Batteries**.
- The **Samples** reservoir is connected to the **Reagent Reservoir**.
- The **Reagent Reservoir** is connected to the **Waste** reservoir.
- The **Waste** reservoir is connected to the **Gas Reservoir**.

FIG. 4

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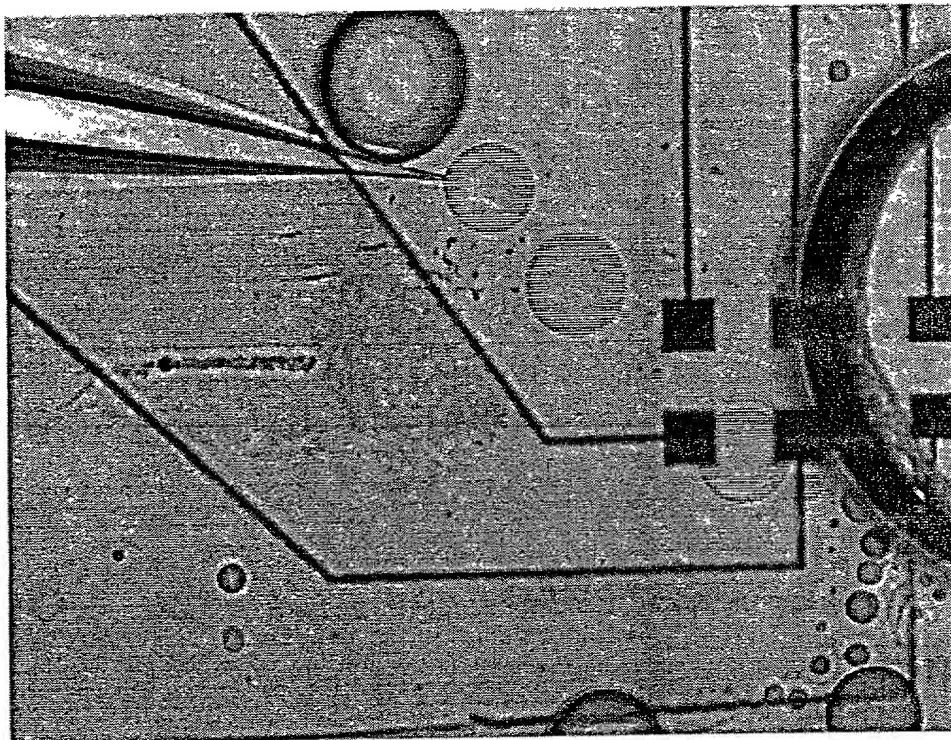


FIG. 5

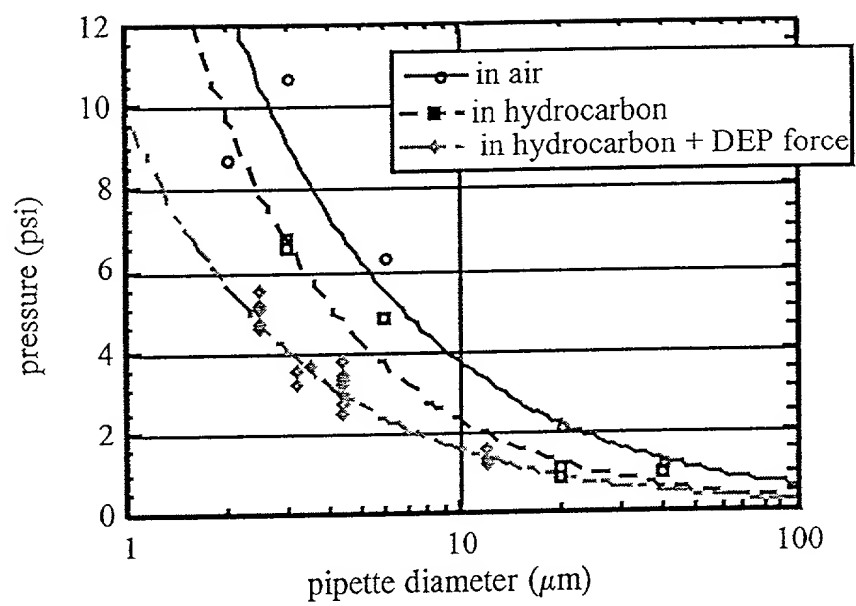
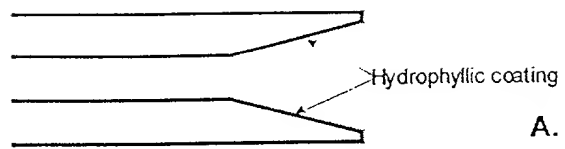
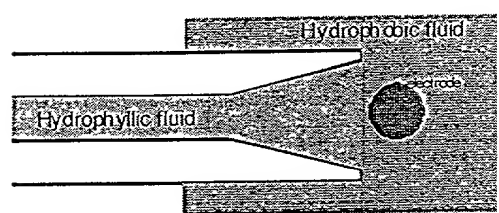


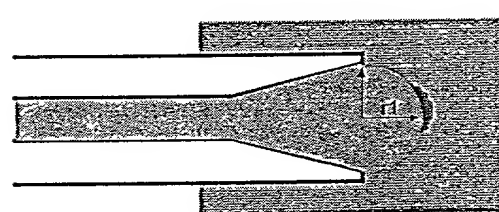
FIG. 6



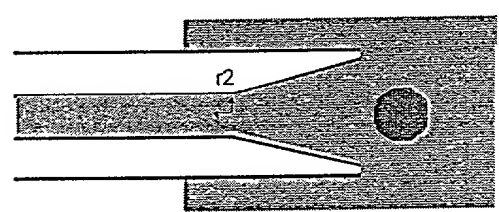
A.



B.



C.



D.

FIG. 7

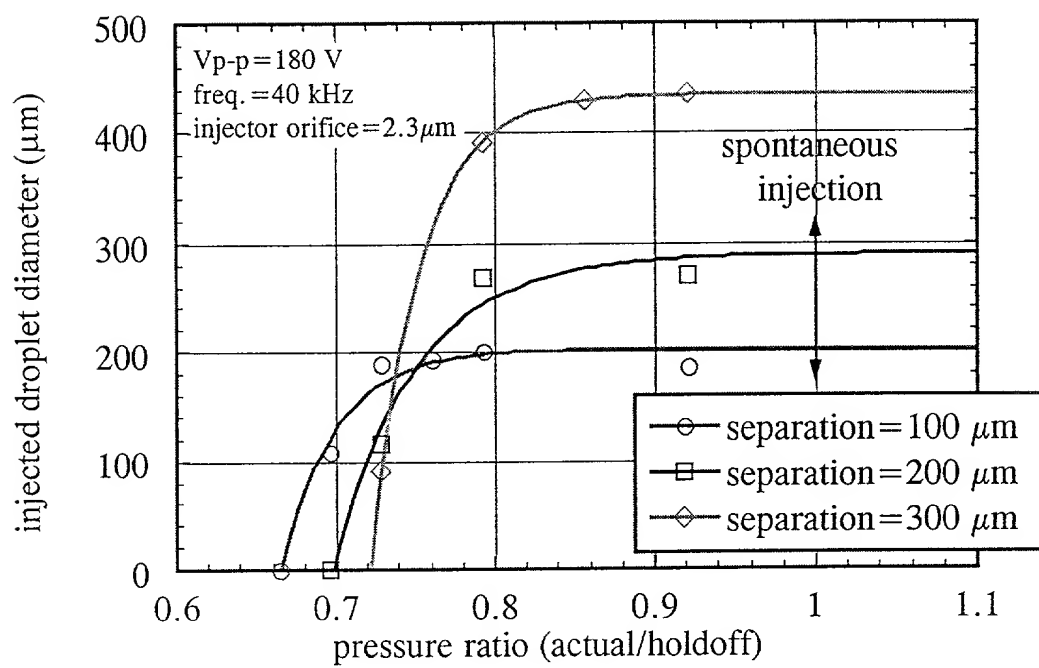


FIG. 8

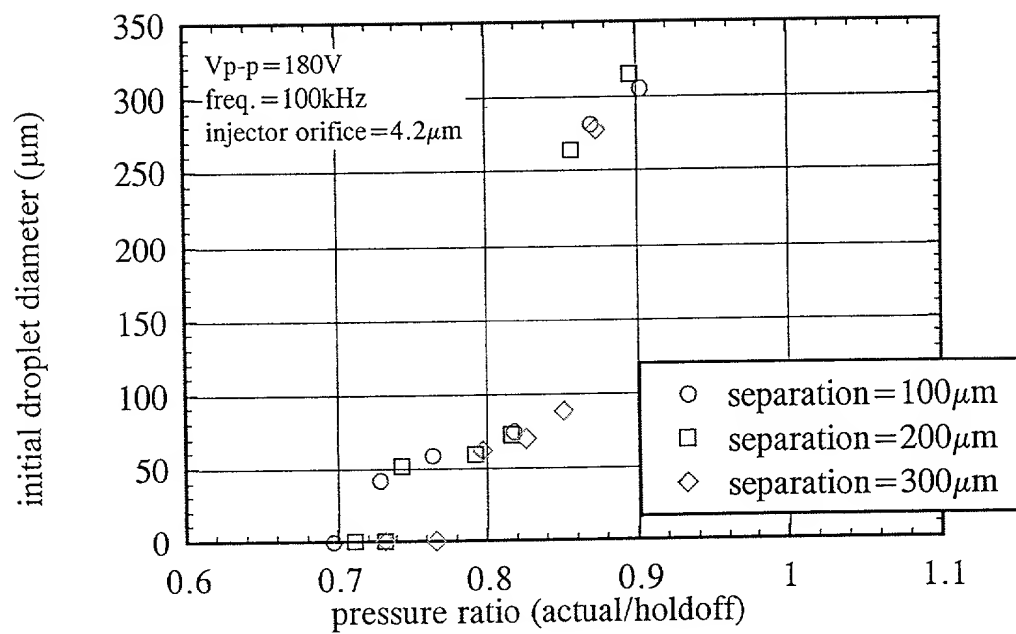


FIG. 9